COOPER LIGHTING - METALUX®

DESCRIPTION

The accord(TM) redefines fluorescent lighting by improving on aesthetics, comfort and energy savings. The accord(TM) provides the right amount of light while eliminating surface shadows commonly found in parabolics. Therefore, accord(TM) increases the comfort level while providing significant energy savings.

Surface mount accord units are designed for areas that do not use a grid-ceiling system. Ideal for use in corridors, stairwells, hospitals and schools.

Catalog #		Type
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

A ... Construction
Low profile housing is formed from heavy gauge cold rolled seel and welded to form rigid. frame. Backplate is provided with knockouts and mounting holes for surface mounting.

B ... Electrical*
Ballasts are Class "P" and are positively secured. Rotor-lock lampholders ensure positive lamp retention. UL/CUL listed. Suitable for damp locations.

C ... Ballast Access
Ballast can be removed from below without tools.

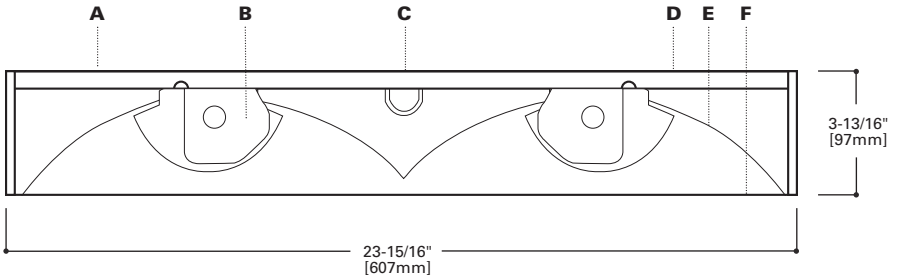
D ... Finish
Durable cold rolled steel with multistage, iron phosphate pretreatment and white enamel finish to ensure maximum bonding and rust inhibition.

E ... Reflectors
Reflector has high reflectance baked matte white enamel finish for luminous uniformity.

F ... Shielding
Positively retained frosted acrylic profile lenses provide a soft but effective distribution of light.

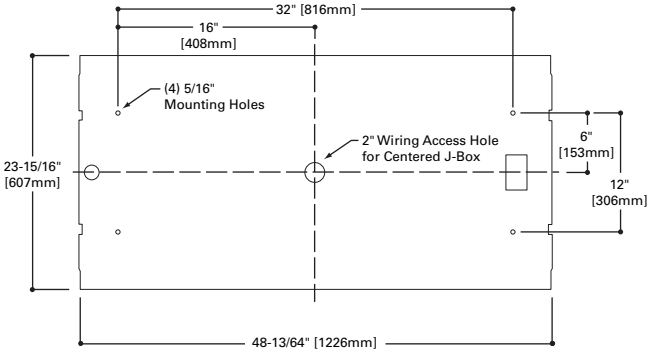
2AC
228T5
254T5

T5 LAMPS
2' x 4'
Surface Mount

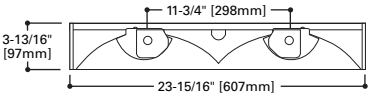


accord™
T5/T8 Recessed Troffer Series

MOUNTING DATA



LAMP CONFIGURATIONS



ENERGY DATA

Input Watts:

EB Ballast & STD Lamps @ 277V
228T5 (58)
254T5 (106)

Luminaire Efficacy Rating
LER =FL75 LPW
Catalog Number: 2AC-228T5

Yearly Cost of 1000 lumens,
3000 hrs at .08 KWH = $2.99

*Reference the lamp/ballast data in the Technical Section for specific lamp/ballast requirements.

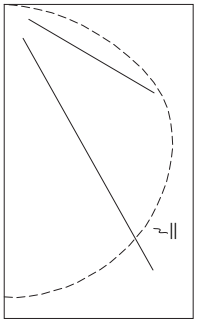
**Consult Pre Sales Technical Support.

***See Drywall Frame Kit Accessory

LAMPS CONTAIN MERCURY. DISPOSE ACCORDING TO LOCAL, STATE OR FEDERAL LAWS

LINEAR DISCONNECT
Safe and convenient means of disconnecting power

ISO SYSTEMS CERTIFIED



2ACS-228T5-UNV-EBT1
Electronic Ballast
(2) F28T5/835 Lamps 2600 Lumens
Spacing criterion: (II) 1.3 x mounting height, (⊥) 1.5 x mounting height
Efficiency 87.9%
Test Report: 2AC-228T5-UNV-EBT1.IES
LER = FL75 LPW
Yearly Cost of 1000 lumens, 3000 hrs at .08 KWH = $2.99

Candlepower

Angle	Along ⏥	45°	Across ⊥
0	1407	1407	1407
5	1399	1404	1410
10	1381	1390	1399
15	1351	1367	1382
20	1308	1334	1358
25	1253	1292	1326
30	1188	1241	1287
35	1113	1182	1242
40	1029	1115	1189
45	938	1042	1129
50	840	961	1061
55	735	874	983
60	625	779	880
65	509	676	736
70	389	547	565
75	267	392	393
80	153	240	235
85	60	100	98
90	0	0	0

Coefficients of Utilization

	Effective floor cavity reflectance				20%														
rc	80%				70%				50%			30%			10%			0%	
rw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																			
0	105	105	105	105	102	102	102	102	98	98	98	93	93	93	90	90	90	88	
1	95	90	86	83	92	88	85	81	85	82	79	81	79	76	78	76	74	72	
2	86	78	72	66	83	76	71	66	73	68	64	70	66	63	68	64	61	59	
3	78	68	60	54	76	67	60	54	64	58	53	61	56	52	59	55	51	49	
4	71	60	52	46	69	59	51	45	56	50	45	54	49	44	52	47	43	41	
5	65	53	45	39	63	52	45	39	50	44	38	49	43	38	47	42	37	35	
6	60	48	40	34	58	47	39	34	45	38	33	44	38	33	42	37	33	31	
7	55	43	35	30	54	42	35	30	41	34	29	40	34	29	39	33	29	27	
8	52	39	32	26	50	39	31	26	37	31	26	36	30	26	35	30	26	24	
9	48	36	29	24	47	35	28	23	34	28	23	33	27	23	33	27	23	21	
10	45	33	26	21	44	33	26	21	32	25	21	31	25	21	30	25	21	19	

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixture
0-30	1115	21.4	24.4
0-40	1854	35.6	40.6
0-60	3431	66.0	75.1
0-90	4569	87.9	100.0
0-180	4569	87.9	100.0

Luminance Data

Angle in Deg	Average 0-Deg cd/sm	Average 45-Deg cd/sm	Average 90-Deg cd/sm
45	1900	2111	2487
55	1836	2183	2455
65	1725	2291	2495
75	1478	2170	2175
85	986	1644	1611

ORDERING INFORMATION

SAMPLE NUMBER: 2ACS-228T5-UNV-L5841-EBT1-U

Width
2=2' Width

Series
AC=Accord Series

Type
S=Surface Mount [4]

Number of Lamps
(Not included)
2=2 Lamp

Wattage (Length)
28T5=28W T5 (48")
54T5=54W T5HO (48")

Shielding
Blank=Frosted Acrylic (standard)
SQP=Lens with Square Pattern Insert
RDP=Lens with Round Pattern Insert

Voltage [1]
UNV=Universal Voltage 120-277

Options
GL=Single Element Fuse
GM=Double Element Fuse
Flex=Flex installed
EL=Emergency Installed

Lamps
L5535=T5 Lamp, 3500K
L5541=T5 Lamp, 4100K
L5535HL=T5 Lamp, 28W, 3500K, 2900 Lumens
L5541HL=T5 Lamp, 28W, 4100K, 2900 Lumens

Ballast Type
EBT_____=T5 Linear Electronic Program Rapid Start Total Harmonic Distortion < 10%

No. of Ballast
1 or 2

Ballast Factor/Type
(For 14W T5 and 28W T5 Lamp Only)
N=Normal Light Output .95 BF [2]
H=High Light Output 1.15 BF [2]
NDIM=Normal .95-1.0 BF Step Dimming [3]
HDIM=High 1.15 BF Step Dimming [3]

Packaging
U=Unit Pack
PALC=Job Pack, in carton

NOTES:

[1] Products also available in non-US voltages and frequencies for international markets. [2] .95 and 1.15 ballast factor available for 28W T5 lamps only. [3] Step Dimming ballast available for 28W T5 lamps only. For complete product data, reference the Fluorescent Specification binder. [4] Surface mount Accord is not designed for continuous row mount applications.

Specifications & dimensions subject to change without notice. Consult your Cooper Lighting Representative for availability and ordering information.

SHIPPING INFORMATION

Catalog No.	Wt.
2AC-228T5	28 lbs.
2AC-254T5	28 lbs.